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2416

DATE MAILED: 02/19/2009

NOTICE OF ALLOWANCE AND FEE(S) DUE

27975 7590 02/19/2009 ALLEN DYER DOPPELT MILBRATH & GILCHRIST P.A.

ALLEN, DYER, DOPPEET, MILBRATH & GILCHRIST P.A 1401 CITRUS CENTER 255 SOUTH ORANGE AVENUE P.O. BOX 3791

ORLANDO, FL 32802-3791

EXAMINER

NGUYEN, HANH N

ART UNIT PAPER NUMBER

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/792,032	03/03/2004	Chiara Cattaneo	03GVA05454487	1352		

TITLE OF INVENTION: METHOD OF PROCESSING AN INCIDENT PULSED UWB SIGNAL RECEIVED BY AN INDEPENDENT DATA DEVICE OF A WIRELESS DATA COMMUNICATION SYSTEM OF THE WPAN TYPE, AND CORRESPONDING INDEPENDENT DATA DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/19/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includir ed below or directed oth tions	g the Patent, advance of serwise in Block 1, by (a	rders and notification a) specifying a new o	of n	naintenance fees wi pondence address;	II be	mailed to the current (b) indicating a sepa	corresp rate "F	condence address as EE ADDRESS" for
CURRINT CORRESPONDENCE ADDRESS (Marc Use Book 1 for any change of address) 27975 7590 021942009 ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST P.A. 1401 CITICUS CENTER 255 SOUTH ORANGE AVENUE P.O. BOX 3791				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certilicate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must					
				have its own certificate of mailing or transmission. Leveltificate of Mailing or Transmission Levelty certify that this Fee O Transmittal is being deposit and in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimal transmitted to the USPIO (27) 273-2885, on the date indicated being facsimal transmitted to the USPIO (27) 273-2885, or the date indicated being facsimal transmitted to the USPIO (27) 273-2885, or the date indicated being facsimal transmitted to the USPIO (27) 273-2885, or the date indicated being facsimal transmitted to the USPIO (27) 273-2885, or the date indicated being facsimal transmitted to the USPIO (27) 273-2885, or the date indicated being facsimal transmitted to the USPIO (27) 273-2885, or the date indicated being facsion and the use of the					
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ORLANDO, FL	. 32802-3791								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CON	FIRMATION NO.
10/792,032	03/03/2004		Chiara Cattaneo	,		0.3	GVA05454487		1352
TITLE OF INVENTION OF A WIRELESS DATA								DEVI	CE
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE I	OUE	PREV. PAID ISSUE	REV. PAID ISSUE FEE TO		\top	DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810		05/19/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	S					
NGUYEN		2416	370-503000						
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). Change of correspondence address (or Change of Correspondence Address form FTO/SB/122) attached. "Fee Address' indication (or 'Fee Address' Indication form FTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(I) the names of or agents OR, alte (2) the name of a registered attorne 2 registered paten	For printing on the patent front page, list the names of up to 3 registered patent attorneys agents OR, alternatively, the names of up to 3 registered patent attorneys the names of up to gettered attorneys or agent) and the names of up to gettered patent attorneys or agents. If no name is 3					
(A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee detion of this form is NO	data will appear on t T a substitute for filin (B) RESIDENCE: (6	the page and CITY	ntent. If an assigner assignment. and STATE OR CO	DUNT	RY)		
Please check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):	ч	Individual	porati	on or other private gro	up enti	ty Government
4a. The following fee(s) Issue Fee Publication Fee (N	A check is enclosed. Payment by cred The Director is he	sed. it care	i. Form PTO-2038	is atta	required fee(s), any de	ficienc			
	s SMALL ENTITY state	s. See 37 CFR 1.27.					TITY status. Sec 37 Cl		
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	ired) will not be accepte tes Patent and Trademark	d from anyone other t c Office.	han th	ne applicant; a regist	tered a	attorney or agent; or th	e assig	nee or other party in
Authorized Signature					Date				
Typed or printed name				Registration No.					
This collection of inform an application. Confiden submitting the complete this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but 'irginia 22313-1450. DC k13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the ONOT SEND FEES OR	on is required to obtain 1.14. This collection of depending upon the le Chief Information C COMPLETED FORM	n or n is esti indiv Office IS TO	etain a benefit by the imated to take 12 m idual case. Any con r, U.S. Patent and T D THIS ADDRESS.	e publ inutes nment raden SENI	ic which is to file (and to complete, includin s on the amount of tin hark Office, U.S. Depo O TO: Commissioner	by the g gathe ne you urtment for Pate	e USPTO to process) ering, preparing, and require to complete of Commerce, P.O. ents, P.O. Box 1450,

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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10/792,032	03/03/2004	Chiara Cattaneo	03GVA05454487	1352		
27975 75	90 62/19/2009	EXAMINER				
ALLEN, DYER,	DOPPELT, MILBR	NGUYEN, HANH N				
	NTER 255 SOUTH OF	ART UNIT	PAPER NUMBER			
P.O. BOX 3791						

ORLANDO, FL 32802-3791

DATE MAILED: 02/19/2009

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1105 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1105 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Application No. Applicant(s) 10/792 032 CATTANEO, CHIARA Notice of Allowability Examiner Art Unit Hanh Nauven 2416 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 12/10/08. The allowed claim(s) is/are Claims 25-60 renumbered 1-36 respectively. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) \(\subseteq \text{Some* c} \) \(\subseteq \text{None of the:} \) a) \square All 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date 3. Information Disclosure Statements (PTO/SB/08), 7. Examiner's Amendment/Comment

/Hanh Nguyen/ Primary Examiner, Art Unit 2416

Paper No./Mail Date

of Biological Material

4. ☐ Examiner's Comment Regarding Requirement for Deposit

Other .

8. X Examiner's Statement of Reasons for Allowance

Application/Control Number: 10/792,032

Art Unit: 2416

Allowable Subject Matter

The following is a statement of reasons for the indication of allowable subject matter:

Regarding claims 25, 37, 49, the prior art does not disclose performing channel estimation using the second training sequence, the channel estimation being based on at least one signal slice having ends temporally defined with respect to a result of the coarse synchronization.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hanh Nguyen whose telephone number is 571 272 3092. The examiner can normally be reached on Monday-THursday from 8:30 to 4:30. The examiner can also be reached on alternate.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy VU, can be reached on 571 272 3155. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Art Unit: 2416

/Hanh Nguyen/

Primary Examiner, Art Unit 2416.